

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008563**Date Inspected:** 12-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Wang Lu**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Utekar Shrikant was present during the times noted above for observations relative to the work being performed.

OBG ASSEMBLY YARD**Magnetic Particle Inspection**

This Q.A Inspector performed Magnetic Particle testing of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA Inspector generated a (M.T) report for this date. The members are identified as the Deck Panel, Side Panel, Bottom Panel, and Edge Panel of Segment 4AE / 4BE the welds Designation are as follows.

SP042-001-027; SP54-001-041, 039; SP066-001-033, 035; SP078-001-029, 027; BP016-001-028, 030;
BP017-001-025, 027; SP031-001-030, 034; SP023-001-026, 028; SP07-001-028; EP012-001-012;
SP043-001-047; SP055-001-054, 056; SP067-001-055, 057; SP079-001-040, 042; BP022-001-04, 06;
BP023-001-01, 03; BP024-001-01, 03; SP032-001-044, 046; SP024-001-038, 040; SP016-001-044, 046;
SP08-001-018; EP014-001-09; DP036-001-024, 013; DP034-001-025, 015; DP048-001-011;
DP046-001-012; BP018-001-025, 027; SP015-001-030, 032

During random verification Magnetic Particle Testing (MT) of the weld joint BP018-001-027, SP015-001-32 of Segment 4AE/4BE, the Caltrans Quality Assurance (QA) Inspector discovered two linear indications with a length

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of approximately 10 and 15mm. which is previously overlooked by ZPMC Quality control (MT) Technicians.

Unless otherwise noted, all work observed on this dated appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversation

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang + (86) 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Utekar,Shrikant	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
